

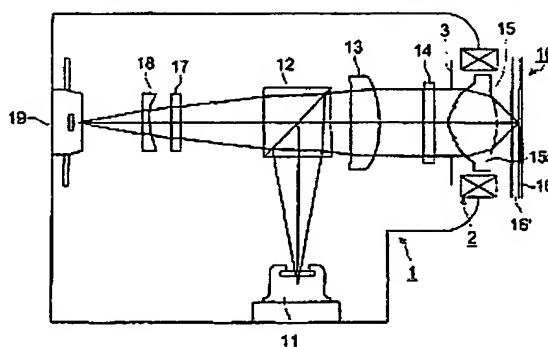
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EP-1102250 A2

KONICA CORP

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Optical pick-up for optical system, has plastic objective lens that converges light from light source, satisfy a preset condition



Use Advantage:USE - For optical system for recording and reproducing optical information from medium such as CD, DVD, e.g. CD reproducing apparatus. **ADVANTAGE** - Since objective lens is plastic lens, structure of pick-up is simplified and cost reduction is enabled. Since objective lens satisfies preset condition, changing spherical aberration for fluctuation of ambient temperature is smaller. **DESCRIPTION OF DRAWING(S)** - The figure shows the conceptual diagram of optical pick-up apparatus. Plastic

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objective lens 16

Abstract:NOVELTY - The plastic objective lens (16) of converging optical system converges the light flux with preset wavelength from a light source onto information recording medium. The plastic objective lens with diffraction section on one surface, satisfies the condition $0.3 \leq \frac{\pi R}{\pi} \leq 1.5$, where πR and π are refractive power and power of objective lens in wavelength of light source, respective. **DETAILED DESCRIPTION - INDEPENDENT CLAIMS** are also included for the following: (a) Objective lens (b) Recording and reproducing apparatus

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